

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013676

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C23C14/14	C23C24/02	C23C14/06	C23C16/02	C23C28/00
	F16C33/12	F16C33/14			

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 856 592 A (BEKAERT SA NV) 5 August 1998 (1998-08-05) column 1, line 1 - column 3, line 52 column 5, line 11 - column 6, line 44 column 8, line 30 - line 51 claims 1-9 figure 1 ----- US 5 795 648 A (BRAY DONALD J ET AL) 18 August 1998 (1998-08-18) column 2, line 28 - line 58 column 3, line 15 - column 6, line 31 claims 1-14 ----- -/-/	1-12
A		1-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

14/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/75394 A (BEKAERT SA NV ; SERCU MARC (BE); NEERINCK DOMINIQUE (BE); EUFINGER STE) 14 December 2000 (2000-12-14) page 2, line 6 - line 19 page 3, line 16 - page 4, line 12 page 5, line 16 - page 6, line 9 claims 1,2,7-11,13 -----	1,10-12
A	US 5 466 431 A (PYPKIN BORIS ET AL) 14 November 1995 (1995-11-14) column 2, line 26 - line 42 column 3, line 65 - column 4, line 62 claims 1-3 -----	1-12
A	US 6 200 675 B1 (NEERINCK DOMINIQUE ET AL) 13 March 2001 (2001-03-13) column 1, line 50 - column 2, line 25 claims 1-5,9,10 -----	1-12
A	VOEVODIN A A ET AL: "Design of a Ti/TiC/DLC functionally gradient coating based on studies of structural transitions in Ti-C thin films" THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 298, no. 1-2, 20 April 1997 (1997-04-20), pages 107-115, XP004125924 ISSN: 0040-6090 the whole document -----	1,2

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